

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Display
 Manufacturer: Samsung
 Firmware Version: N/A
 Model(s): PPM42M6, PPM50M6, PPM63M6, PPM63M7F, PPM50M7HB, PPM42M7F, PPM50M7F, PPM63M7FB

Version History:

Driver Version	Date	IP Link Compiler	IP Link Firmware	GC2 Version	Notes
10	10/11/2012	1.5.1	1.14	3.3.2	Added model PPM63M7FB and added MLC 60 Series Support.
9	05/11/09	1.3.11.1	1.14	2.5.1	Beta. Added support for PPM42M7F and PPM50M7F models. Condensed aspect ratio and added support for HDMI aspect ratio. Added Device ID selection
8	10/01/08	1.3.11.1	1.14	2.4.1	Added HDMI input command, Beta.
7	7/24/08	1.3.11.1	1.14	2.4.0	Added PPM50M7HB model, Released.
6	11/28/07	1.3.11.1	1.12	2.3.0	Added PPM63M7F model, Released
5	8/28/07	1.3.11.1	1.12	2.3.0	Released version. Tested with PPM42M6HB. Inserted delays between out-going commands and status queries.
4	7/11/07	1.3.11.1	1.12	2.2.1	Beta version. Modified status section due to lockup issues.
3	6/07/07	1.3.11.1	1.12	2.2	Custom version.
2	4/23/07	1.3.11.1	1.10	2.2	Custom unidirectional version.
1	3/29/07	1.3.11.1	1.11	2.2	Initial beta version.

Driver Notes:

- Device ID should be set to monitors set ID.
- Status is based on the selection of the device ID.
- Device ID is set to default of 1.
- Status is not supported when broadcasting commands.
- Aspect ratio commands rely on bi-directional control.

Control Commands & States:

Aspect Ratio¹	16:9	Wide	Zoom
	4:3	Just Scan	
Audio Mute	On	Off	
Auto Image	Execute		
Device ID	Broadcast	0 to 99	
Executive Mode	On	Off	
Input	DVI Component HDMI ³	PC1 S-Video	PC2 Video
PIP Input²	Video	S-Video	
PIP Position²	Upper Left Lower Right	Upper Right	Lower Left
Picture In Picture²	On	Off	
Power	On	Off	
Volume	0 - 100		

1. PC1, PC2, and DVI Inputs only support 16:9 and 4:3 aspect ratios.

The HDMI input only supports the Just Scan command.

2. PIP control is only available for certain inputs, please see PIP Compatibility table on Page 3.

3. HDMI pertains to M7 models.

Status Available:

Aspect Ratio	16:9	Wide	Zoom
	4:3		
Audio Mute	On	Off	
Connection Status	Connected	Disconnected	Status Unavailable
Executive Mode	On	Off	
Input	DVI Component HDMI	PC1 S-Video	PC2 Video
PIP Input*	Video	S-Video	
PIP Position*	Upper Left Lower Right	Upper Right	Lower Left
Picture In Picture*	On	Off	
Power	On	Off	
Volume	0 to 100 in steps of 1		

***PIP Compatibility table:**

Changing the PIP source may not be available depending on the main source.

See table below.

Main Sub	AV	S-Video	Component	PC1	PC2	DVI
AV	X	X	X	○	○	○
S-Video	X	X	X	X	X	○
Component	X	X	X	X	X	X
PC1	X	X	X	X	X	X
PC2	X	X	X	X	X	X
DVI	X	X	X	X	X	X

O = Available

X = Not Available

MLC60 Series Supported Commands:

Aspect Ratio	16:9	4:3	Wide
	Zoom	Just Scan	
Audio Mute	On	Off	
Auto Image	Execute		
Device ID	Broadcast	0 to 99	
Executive Mode	On	Off	
Input	DVI	PC1	PC2
	Component	S-Video	Video
	HDMI		
Picture In Picture	On	Off	
PIP Input	Video	S-Video	
PIP Position	Upper Left	Upper Right	Lower Left
	Lower Right		
Power Control	On	Off	
Volume (Discrete)	0 to 100 in steps of 1		

*The default Device ID is set to 1

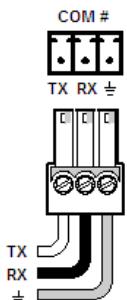
Cable and Adapter Requirements:

M/F RS-232 null modem serial cable

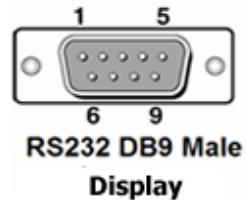
Notes for the Device:**Serial communication:**

Port Type: RS232
Baud Rate: 9600
Data Bits: 8

Parity: None
Stop Bits: 1
Flow Control: None

Pin Assignments Diagram:

Signal	Pin	Main Cable	Pin	Signal
RxD	2	↔	2	RxD
TxD	3	↔	3	TxD
GND	5	—	5	GND



Note: Captive screw connector may also be used as a serial connection.

General Notes: